Automatic Polarimeter LX104APR

Email: info@labdex.com **website:** www.labdex.com

Description

Automatic Polarimeter LX104APR measures optical rotation, specific rotation, and sugar content with high precision. Featuring an advanced optical rotation system and a user-friendly touch screen, it delivers fast, reliable results for applications in medicine, food, fragrance, sugar, and related industries.

Specifications

Working wavelength	589.3 nm
Light source	LED Cold light source + High-precision interference filter
Measuring range	Optical rotation ± 89.99°
Brix	± 259°Z
Minimum reading	0.001°
Indication error	± 0.01° (- 45° ≤ Optical rotation ≤ + 45°) ± 0.02° (Optical rotation < - 45° or Optical rotation > + 45°)
Repeatability	0.002° (Optical rotation)
Measurement mode	Optical rotation, specific rotation, concentration, sugar content
Display mode	8-inch TFT Color touch screen
Light transmittance	1%
Data storage	1000 Units
Communication interface	USB connection, RS232 connection
Power	250 W
Power supply	220 V ± 22 V, 50 Hz ± 1 Hz
External dimension (L x W x H)	715 x 355 x 280 mm
Net weight	21 Kg
Packing dimension (L x W x H)	820 x 480 x 470 mm
Gross weight	32 Kg

Features

- Measurement modes include optical rotation, concentration, and sugar content
- LED Cold light source
- 8-inch TFT color touch screen with user-friendly operation
- Storage capacity for up to 1000 sample records
- USB and RS232 communication interfaces

Applications

- Automatic Polarimeter is used across medicine, food, agriculture, petroleum, fragrance, and health industries to analyze optically active substances such as sugars, antibiotics, vitamins, essential oils, and agricultural compounds.

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

Email: info@labdex.com | Website: www.labdex.com